



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 2001

July 2001								
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	
<b><u>MINNESOTA, Central and South Central</u></b>								
Morrison County								
Motley	17	1935CST			0	0		Hail(0.75)
Morrison County								
Camp Ripley	17	1940CST			0	25		Lightning
								One U. S. Marine Reservist was critically injured, but survived and was released the next afternoon. Twenty four others were treated and released within hours of the strike.
Morrison County								
Cushing	17	2000CST			0	0		Hail(2.75)
Morrison County								
4 E Little Falls	17	2040CST			0	0		Thunderstorm Wind (E60)
								Grove of trees felled.
Douglas County								
3 W Carlos	17	2115CST			0	0		Thunderstorm Wind (E55)
								Tree down, slight damage to home.
Mille Lacs County								
Onamia	17	2115CST			0	0	10K	Thunderstorm Wind (E60)
								Numerous trees down, some falling on homes.
Mille Lacs County								
Vineland to Isle	17	2115CST 2120CST			0	0	100K	Thunderstorm Wind (E64)
								Swath of damage along the south side of Mille Lacs Lake. Many boats and docks turned over. Numerous trees down, some onto houses and vehicles.
Benton County								
1 NW Rum River	17	2130CST			0	0		Thunderstorm Wind (E50)
								A few trees down.
Mille Lacs County								
3 N Page	17	2130CST			0	0		Hail(0.75)
Kanabec County								
1 W Mora	17	2155CST			0	0		Thunderstorm Wind (E55)
								Numerous trees toppled. Roof taken off garage under construction.
Isanti County								
Cambridge to Braham	17	2210CST 2215CST			0	0	50K	Thunderstorm Wind (E60)
								Bleachers blown over. Portion of Walmart greenhouse ripped off and destroyed.
Chisago County								
Taylors Falls	17	2230CST			0	0		Thunderstorm Wind (E50)
								Trees down
Redwood County								
6 N Walnut Grove	21	0910CST			0	0		Thunderstorm Wind (E52)
								Numerous 8 inch branches downed.
Redwood County								
Sanborn	21	0925CST			0	0		Thunderstorm Wind (E50)
								Numerous six inch branches down.
Martin County								
Fairmont Arpt	22	0535CST			0	0		Thunderstorm Wind (M51)
Faribault County								
Winnebago	22	0600CST			0	0		Thunderstorm Wind (M52)
								Numerous 6 inch branches down.



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<b><u>MINNESOTA, Central and South Central</u></b>									
<b>Lac Qui Parle County</b>									
5 E Nassau	22	2030CST			0	0			Hail(0.75)
									Wind driven hail dented siding on a few houses and chipped paint on several others.
<b>Lac Qui Parle County</b>									
2 S Nassau to 4 S Bellingham	22	2030CST 2035CST			0	0			Thunderstorm Wind (E55)
									Numerous trees down in a 5 mile wide swath that included the cities of Nassau and Marietta. Some trees toppled onto houses and vehicles.
<b>Chippewa County</b>									
10 SE Milan	22	2056CST			0	0			Hail(0.75)
<b>Swift County</b>									
Appleton	23	0110CST			0	0			Thunderstorm Wind (E50)
									Few trees toppled.
<b>Stevens County</b>									
Alberta	23	0115CST			0	0	10K		Thunderstorm Wind (E55)
									Grain bin dented, roof off pole barn.
<b>Stevens County</b>									
Morris Arpt	23	0116CST			0	0			Thunderstorm Wind (M62)
<b>Pope County</b>									
Starbuck to Glenwood	23	0140CST 0150CST			0	0	100K		Thunderstorm Wind (E65)
									Hundreds of trees down, some on houses, businesses and vehicles. Numerous docks and boats flipped along Lake Minnewaska in Starbuck.
<b>Swift County</b>									
3 NW Murdock to 4 SE Kerkhoven	23	0140CST 0155CST			0	0			Thunderstorm Wind (E60)
									Numerous trees down along a 12 mile long swath.
<b>Kandiyohi County</b>									
4 N Willmar to Atwater	23	0210CST 0225CST			0	0	20K		Thunderstorm Wind (E60)
									Scattered trees down in a swath that extended to Atwater. Church under construction in Spicer blown down.
<b>Stearns County</b>									
St Augusta	23	0320CST			0	0	15K		Thunderstorm Wind (E55)
									Numerous trees down over 12 square blocks of St. Augusta. Some fell on houses and vehicles. A plywood sheet was blown through a window.
<b>Stearns County</b>									
St Cloud	23	0330CST			0	0			Thunderstorm Wind (M52)
									Measured at St. Cloud University. Six inch diameter tree toppled onto a spotter's car.
<b>Sherburne County</b>									
6 NE Clear Lake	23	0340CST			0	0	10K		Thunderstorm Wind (E60)
									Numerous trees down, boats and docks flipped along Briggs Lake. Some trees came down on homes and vehicles
<b>Sherburne County</b>									
Becker	23	0355CST			0	0	15K		Thunderstorm Wind (E55)
									Scattered trees down, some on cars. Roof was peeled off a pole barn.
<b>Mille Lacs County</b>									
4 W Princeton to 4 E Princeton	23	0400CST 0410CST			0	0	20K		Thunderstorm Wind (E55)
									Numerous trees down, some on homes and vehicles, in a swath that continued into Isanti County, from 12W to 2 SW Cambridge.



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### MINNESOTA, Central and South Central

#### Isanti County

12 W Cambridge to 2 SW Cambridge	23	0410CST 0420CST			0	0	5K		Thunderstorm Wind (E55)
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The swath of damaging wind that started 4 W Princeton in Mille Lacs County at 0400 persisted to just southwest of Cambridge. Numerous trees were felled.

#### Anoka County

Coon Rapids	23	0430CST			0	0			Hail(0.88)
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#### Anoka County

Coon Rapids	23	0430CST			0	0			Thunderstorm Wind (E50)
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Few trees down.

#### Nicollet County

Nicollet	23	0455CST			0	0			Hail(0.75)
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#### Blue Earth County

4 NW Madison Lake	23	0510CST			0	0			Thunderstorm Wind (E50)
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Several trees toppled on south side of Lake Washington.

#### Le Sueur County

4 SE Kasota	23	0510CST			0	0			Thunderstorm Wind (E50)
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Few trees down.

**MNZ041>045-047>070-073>078-082>085-091>093 Douglas - Todd - Morrison - Mille Lacs - Kanabec - Stevens - Pope - Stearns - Benton - Sherburne - Isanti - Chisago - Lac Qui Parle - Swift - Chippewa - Kandiyohi - Meeker - Wright - Hennepin - Anoka - Ramsey - Washington - Yellow Medicine - Renville - McLeod - Sibley - Carver - Scott - Dakota - Redwood - Brown - Nicollet - Le Sueur - Rice - Goodhue - Watonwan - Blue Earth - Waseca - Steele - Martin - Faribault - Freeborn**

30	0900CST			0	0			Excessive Heat
31	2359CST							

A heat wave began on the 30th and persisted until August 1 (see August Storm Data for information regarding August 1). Temperatures on July 30 soared into the upper 80s and lower 90s across a large portion of central and southern Minnesota, while dewpoints climbed into the middle 70s to lower 80s, resulting in triple digit heat indexes during the afternoon and evening. Some noteworthy index values include 113 at Redwood Falls (Redwood County), 111 at Morris (Stevens County) and Mankato (Blue Earth County), 110 at New Ulm (Brown County), Fairmont (Martin County) and Maple Lake (Wright County), 108 at Cambridge (Isanti County) and Lakeville (Dakota County), and 107 at Little Falls (Morrison County).

During the early morning hours of the 31st, dewpoints remained in the 70s, therefore nighttime heat indexes only dropped to the upper 70s and lower 80s. In fact, from 1000 CST July 30 to 1600 CST July 31 inclusive, Minneapolis-St. Paul (MSP) set a record with 31 consecutive hours during which the dewpoint was equal to or greater than 74 (the previous record was 25 hours in July 1977).

On July 31, temperatures climbed slightly higher, while dewpoints remained in the middle 70s to lower 80s. Heat index values reached triple digits prior to Noon in most areas. Some noteworthy values include 122 at Staples (Todd County), 115 at Little Falls (Morrison County), 114 at Morris (Stevens County) and Rush City (Chisago County), and 112 at Mankato (Blue Earth County). The heat wave expanded eastward into Wisconsin on the 31st (see corresponding entry for West Central Wisconsin), and continued into August 1 over both Minnesota and Wisconsin (see August Storm Data).

Korey Stringer, a professional football player for the Minnesota Vikings of the NFL, practiced during the late morning of the 31st in Mankato (Blue Earth County). He collapsed shortly after practice and was taken to the hospital. Mr. Stringer died on August 1 and his fatality will be listed in the August Storm Data



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### WISCONSIN, West

#### **Polk County**

<b>Osceola to 2 E Dresser</b>	17	2235CST			0	0	10K		<b>Thunderstorm Wind (E50)</b>
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Numerous trees down, including a few on houses and vehicles.

#### **St. Croix County**

<b>Somerset to Star Prairie</b>	17	2305CST 2310CST			0	0			<b>Thunderstorm Wind (E50)</b>
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Scattered trees felled.

#### **WIZ027**

<b>Chippewa</b>									
<b>20</b>		<b>1100CST 1900CST</b>			<b>1</b>	<b>0</b>			<b>Excessive Heat</b>

A man died after fishing on Lake Stanley (in Stanley) during warm and humid weather. According to the cooperative observer in Stanley, the maximum temperature on the 20th was 85. The Eau Claire ASOS, 25 miles WSW of Stanley, registered a dewpoint in the low 70s, indicating the heat index was likely in the low 90s in Stanley. The man came to shore, collapsed shortly thereafter, and was brought to a hospital in Eau Claire where his body temperature was measured at 108 degrees. Death occurred on the 21st. The coroner described that the victim had been on three different prescribed medications at the time.

M46BO

#### **Polk County**

<b>Clear Lake</b>	23	0530CST			0	0	20K		<b>Hail(2.00)</b>
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Hail damaged a number of vehicles.

#### **Chippewa County**

<b>Boyd</b>	30	1420CST			0	0			<b>Hail(1.00)</b>
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#### **Chippewa County**

<b>Stanley</b>	30	1440CST			0	0			<b>Hail(1.75)</b>
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#### **WIZ014>016-023>028**

<b>Polk - Barron - Rusk - St. Croix - Pierce - Dunn - Pepin - Chippewa - Eau Claire</b>									
<b>31</b>		<b>0900CST 2359CST</b>			<b>0</b>	<b>0</b>			<b>Excessive Heat</b>

High heat and humidity moved into West Central Wisconsin on the 31st and persisted until August 1 (see August Storm Data for information regarding August 1). Temperatures soared into the middle and upper 90s. With dewpoints in the middle and upper 70s, heat indexes reached well over 100 during the afternoon and evening. Some noteworthy index values include 115 at Eau Claire (Eau Claire County) and 109 at Hager City (Pierce County).